

WHAT IS CLAIMED IS:

1. A process cartridge detachably mountable to a main assembly of an electrophotographic image forming apparatus, said process cartridge comprising:

5 an electrophotographic photosensitive member;

a developing member for developing an electrostatic latent image formed on said electrophotographic photosensitive member;

10 a developer accommodating portion for accommodating a developer to be used for development of the electrostatic latent image by said developing member;

15 a developer discharging member for discharging the developer accommodated in said developer accommodating portion toward said developing member;

20 a cartridge positioning portion for engagement with a main assembly positioning portion provided in the main assembly of apparatus when said process cartridge is mounted to the main assembly of apparatus, said cartridge positioning portion being disposed at a developer accommodating portion side in a direction crossing with a direction of an axis of said electrophotographic photosensitive member;

25 a photosensitive member driving force receiving portion for receiving a driving force for rotating said electrophotographic photosensitive

member from the main assembly of the apparatus when
said process cartridge is mounted to the main assembly
of the apparatus, said photosensitive member driving
force receiving portion being disposed at a leading
5 side with respect to a direction of mounting said
process cartridge to the main assembly of apparatus,
wherein said process cartridge is mounted to the main
assembly of apparatus in the direction of the axis of
said electrophotographic photosensitive member;

10 a discharging member driving force receiving
portion for receiving a driving force for rotating
said developer discharging member from the main
assembly of apparatus when said process cartridge is
mounted to the main assembly of apparatus;

15 wherein rotational directions of said
photosensitive member driving force receiving portion
and said discharging member driving force receiving
portion when said photosensitive member driving force
receiving portion and said discharging member driving
20 force receiving portion receive driving forces from
the main assembly of the apparatus, are the same, and
the rotation of directions are such that rotation
moment is produced so as to contact said cartridge
positioning portion to a lower surface of the main
25 assembly positioning portion of the apparatus.

2. A process cartridge according to Claim 1,

wherein said cartridge positioning portion is constituted by an outside of an outer wall of said process cartridge, and is projected in the mounting direction, and said cartridge positioning portion is
5 disposed at a leading side in the mounting direction.

3. A process cartridge according to Claim 1 or 2, wherein said cartridge positioning portion is integral with a developing frame supporting said
10 developing member, a developer frame having a developer accommodating portion accommodating the developer to be used for development of said electrostatic latent image by said developing member and an end cover covering a leading, with respect to
15 the mounting direction, end of a drum frame supporting said electrophotographic photosensitive member, wherein said end cover is provided with a first hole and a second hole, and the driving force is transmitted from the main assembly of the apparatus to
20 said photosensitive member driving force receiving portion through said first hole, and the driving force is transmitted from the main assembly of the apparatus to said discharging member driving force receiving portion through said second hole.

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4. A process cartridge according to Claim 3, wherein a leading end surface of said cartridge

positioning portion is substantially is substantially at the same position as an outer surface of said end cover with respect to the mounting direction.

5 5. A process cartridge according to Claim 1,
wherein said electrophotographic photosensitive member
is rotated by the driving force received by said
photosensitive member driving force receiving portion
from the main assembly of apparatus, and wherein the
10 driving force is transmitted to the developing member
in the form of a developing roller to rotate said
developing member.

15 6. A process cartridge according to Claim 1,
wherein said developer discharging member includes a
first developer discharging member and a second
developer discharging member provided in said
developer accommodating portion, and wherein said
first developer discharging member and second
20 developer discharging member receive the driving force
received from the main assembly of apparatus by said
discharging member driving force receiving portion at
the same side as discharging member at driving force
receiving portion side with respect to the mounting
25 direction.

7. A process cartridge according to claim 6.

wherein said developer discharging member further includes a third developer discharging member provided in said developer accommodating portion, wherein said third developer discharging member is disposed
5 downstream of said first developer discharging member and second developer discharging member with respect to a developer discharging direction, and wherein said third developer discharging member receives the driving force received by a discharging member driving
10 force receiving portion from the main assembly of the apparatus at a side opposite from a discharging member driving force receiving portion side with respect to the mounting direction.

8. A process cartridge according to Claim 7,
15 further comprising a cleaning member for removing a developer remaining on said electrophotographic photosensitive member, and a developer feeding member for feeding the developer removed by said cleaning
20 member into a removed developer accommodating portion, wherein said developer feeding member receives the driving force received by said discharging member driving force receiving portion from the main assembly
25 of apparatus at a side opposite from a discharging member driving force receiving portion side with respect to the mounting direction.

9. A process cartridge detachably mountable to a main assembly of an electrophotographic image forming apparatus, said process cartridge comprising:

an electrophotographic photosensitive drum;

5 a developing roller for developing an electrostatic latent image formed on said electrophotographic photosensitive drum;

10 a developer accommodating portion for accommodating a developer to be used for development the electrostatic latent image by said developing roller;

15 a first developer discharging member for discharging the developer accommodated in said developer accommodating portion toward said developing member;

20 a second developer discharging member for discharging the developer accommodated in said developer accommodating portion toward said developing member, wherein said first developer discharging member and second developer discharging member receives the driving force received from the main assembly of the apparatus by said discharging member driving force receiving portion at the same side as a discharging member driving force receiving portion
25 side.

a third developer discharging member for discharging the developer accommodated in said

developer accommodating portion toward said developing member, wherein said second developer discharging member is disposed downstream of said first developer discharging member and said second developer discharging member in a developer discharging direction, and wherein said second developer discharging member receives the driving force received from the main assembly of apparatus by said discharging member driving force receiving portion at a side of looked from a discharging member driving force receiving portion side;

a cartridge positioning portion entering a main assembly positioning portion provided in the main assembly of apparatus when said process cartridge is mounted to the main assembly of apparatus, said cartridge positioning portion being disposed at a leading side with respect to a direction in which said process cartridge is mounted to the main assembly of apparatus, wherein said process cartridge is mounted to the main assembly of apparatus in the direction of and axis of said electrophotographic photosensitive drum, and wherein said cartridge positioning portion is provided projected from an outside of an outer wall of said process cartridge in the mounting direction;

a photosensitive member driving force receiving portion for receiving driving force named for rotating said electrophotographic photosensitive

drum from the main assembly of the apparatus when said
process cartridge is mounted into the main assembly,
said photosensitive member driving force receiving
portion being disposed at a leading side with respect
5 to a mounting direction in which said process
cartridge is mounted to the main assembly of the
apparatus, and wherein said developing roller is
rotated by the driving force received from the main
assembly of apparatus of said photosensitive member
10 driving force receiving portion;

a discharging member driving force for
receiving a driving force for rotating said first
developer discharging member, second developer
discharging member and third developer discharging
15 member, said discharging member driving force
receiving portion being disposed at a leading side
with respect to the mounting direction;

wherein rotational directions of said
photosensitive member driving force receiving portion
20 and said discharging member driving force receiving
portion when said photosensitive member driving force
receiving portion and said discharging member driving
force receiving portion receive driving forces from
the main assembly of the apparatus, are the same, and
25 the rotation of directions are such that rotation
moment is produced so as to contact said cartridge
positioning portion to a lower surface of the main

assembly positioning portion of the apparatus.

10. A process cartridge according to Claim 9,
wherein said cartridge positioning portion is
5 constituted by an outside of an outer wall of said
process cartridge, and is projected in the mounting
direction, and said cartridge positioning portion is
disposed at a leading side in the mounting direction.

10 11. An apparatus according to Claim 10, wherein a
leading end surface of said cartridge positioning
portion is substantially is substantially at the same
position as an outer surface of said end cover with
respect to the mounting direction.

15 12. A process cartridge according to Claim 9, 10
or 11, further comprising a cleaning member for
removing a developer remaining on said
electrophotographic photosensitive member, and a
20 developer feeding member for feeding the developer
removed by said cleaning member into a removed
developer accommodating portion, wherein said
developer feeding member receives the driving force
received by said discharging member driving force
25 receiving portion from the main assembly of apparatus
at a side opposite from a discharging member driving
force receiving portion side with respect to the

mounting direction.

13. An electrophotographic image forming
apparatus for forming an image on a recording
5 material, to which a process cartridge is detachably
mountable, said electrophotographic image forming
apparatus comprising:

(a) a mounting portion for detachably
mounting a process cartridge, said process cartridge
10 including;

an electrophotographic photosensitive member;

a developing member for developing an
electrostatic latent image formed on said
electrophotographic photosensitive member;

15 a developer accommodating portion for
accommodating a developer to be used for development
of the electrostatic latent image by said developing
member;

a developer discharging member for
20 discharging the developer accommodated in said
developer accommodating portion toward said developing
member;

a cartridge positioning portion entering a
main assembly positioning portion provided in the main
25 assembly of apparatus when said process cartridge is
mounted to the main assembly of apparatus, said
cartridge positioning portion being disposed at a

leading side with respect to a direction in which said
process cartridge is mounted to the main assembly of
apparatus, wherein said process cartridge is mounted
to the main assembly of apparatus in the direction of
5 and axis of said electrophotographic photosensitive
drum;

a photosensitive member driving force
receiving portion for receiving driving force named
for rotating said electrophotographic photosensitive
10 drum from the main assembly of the apparatus when said
process cartridge is mounted into the main assembly,
said photosensitive member driving force receiving
portion being disposed at a leading side with respect
to a mounting direction in which said process
15 cartridge is mounted to the main assembly of the
apparatus;

a discharging member driving force receiving
portion for receiving a driving force for rotating
said developer discharging member from the main
20 assembly of apparatus when said process cartridge is
mounted to the main assembly of apparatus;

wherein rotational directions of said
photosensitive member driving force receiving portion
and said discharging member driving force receiving
25 portion when said photosensitive member driving force
receiving portion and said discharging member driving
force receiving portion receive driving forces from

the main assembly of the apparatus, are the same, and the rotation of directions are such that rotation moment is produced so as to contact said cartridge positioning portion to a lower surface of the main assembly positioning portion of the apparatus;

said apparatus further comprising:

(b) a driving force transmission member for transmitting a driving force to receiving portion;

(c) a driving force transmission member for transmitting a driving force to receiving portion.

14. An electrophotographic image forming apparatus for forming an image on a recording material, to which a process cartridge is detachably mountable, said electrophotographic image forming apparatus comprising:

(a) a mounting portion for detachably mounting a process cartridge, said process cartridge including;

an electrophotographic photosensitive drum;
a developing roller for developing an electrostatic latent image formed on said electrophotographic photosensitive drum;

a developer accommodating portion for accommodating a developer to be used for development the electrostatic latent image by said developing roller;

a first developer discharging member for discharging the developer accommodated in said developer accommodating portion toward said developing member;

5 a third developer discharging member for discharging the developer accommodated in said developer accommodating portion toward said developing member, wherein said second developer discharging member is disposed downstream of said first developer discharging member and said second developer discharging member in a developer discharging direction, and wherein said second developer discharging member receives the driving force received from the main assembly of apparatus by said

10 discharging member driving force receiving portion at a side of looked from a discharging member driving force receiving portion side; a second developer discharging member for discharging the developer accommodated in said developer accommodating portion toward said developing member, wherein said first developer discharging member and second developer discharging member receives the driving force received from the main assembly of the apparatus by said

15 discharging member driving force receiving portion at the same side as a discharging member driving force receiving portion side.

a third developer discharging member for

discharging the developer accommodated in said
developer accommodating portion toward said developing
member, wherein said second developer discharging
member is disposed downstream of said first developer
5 discharging member and said second developer
discharging member in a developer discharging
direction, and wherein said second developer
discharging member receives the driving force received
from the main assembly of apparatus by said
10 discharging member driving force receiving portion at
a side of looked from a discharging member driving
force receiving portion side;

a cartridge positioning portion entering a
main assembly positioning portion provided in the main
15 assembly of apparatus when said process cartridge is
mounted to the main assembly of apparatus, said
cartridge positioning portion being disposed at a
leading side with respect to a direction in which said
process cartridge is mounted to the main assembly of
20 apparatus, wherein said process cartridge is mounted
to the main assembly of apparatus in the direction of
and axis of said electrophotographic photosensitive
drum, and wherein said cartridge positioning portion
is provided projected from an outside of an outer wall
25 of said process cartridge in the mounting direction;

a photosensitive member driving force
receiving portion for receiving driving force named

for rotating said electrophotographic photosensitive drum from the main assembly of the apparatus when said process cartridge is mounted into the main assembly, said photosensitive member driving force receiving
5 portion being disposed at a leading side with respect to a mounting direction in which said process cartridge is mounted to the main assembly of the apparatus, and wherein said developing roller is rotated by the driving force received from the main
10 assembly of apparatus of said photosensitive member driving force receiving portion;

a discharging member driving force for receiving a driving force for rotating said first developer discharging member, second developer
15 discharging member and third developer discharging member, said discharging member driving force receiving portion being disposed at a leading side with respect to the mounting direction;

wherein rotational directions of said
20 photosensitive member driving force receiving portion and said discharging member driving force receiving portion when said photosensitive member driving force receiving portion and said discharging member driving force receiving portion receive driving forces from
25 the main assembly of the apparatus, are the same, and the rotation of directions are such that rotation moment is produced so as to contact said cartridge

positioning portion to a lower surface of the main
assembly positioning portion of the apparatus.

(b) a driving force transmission member for
transmitting a driving force to receiving portion;

5 (c) a driving force transmission member for
transmitting a driving force to receiving portion.

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